

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/061124 A1

(51) International Patent Classification⁷: **B05D 1/02**,
D21H 23/50

(21) International Application Number:
PCT/SE2004/001695

(22) International Filing Date:
19 November 2004 (19.11.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
0303529-2 23 December 2003 (23.12.2003) SE

(72) Inventor; and

(75) Inventor/Applicant (for US only): **POSTOACA, Ion**
[IT/SE]; Odinvägen 7, S-237 35 Bjärred (SE).

(74) Agent: **SUNDELL, Håkan**; AB Tetra Pak, Central Patent
Department, Ruben Rausing's gata, S-221 86 Lund (SE).

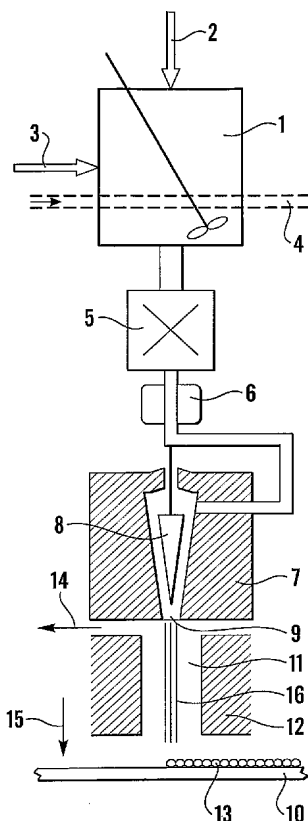
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (for all designated States except US): **TETRA
LAVAL HOLDINGS & FINANCE S.A.** [CH/CH]; Av.
Général-Guisan 70, CH-1009 Pully (CH).

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR PROVIDING A SUBSTRATE WITH A COATING LAYER OF A POLYMERIC MATERIAL



(57) Abstract: A method and device for providing a substrate (10) with a coating layer (13) of a polymeric material, comprising the steps: a) a pulverous, polymeric material (2) is suspended (1) in a fluid (3), b) the fluid (3) is pressurised (5), c) the pressurised suspension is ejected (16) onto the substrate (10) to form the coating layer (13), d) the polymeric material is, during any one of steps a)-c), heated (4, 6, 11) to a temperature above its softening temperature.

WO 2005/061124 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*